

**Map Unit Descriptions**

- Piedmont Deposits**
- Qy<sub>2</sub>** Late Holocene alluvium - Sand and gravel deposits in modern tributary channels, bars, low terraces, and alluvial fans
  - Qy<sub>1</sub>** Early to late Holocene alluvium - Sand, gravel and silt deposits associated with low terraces and recently active alluvial fans
  - Qy** Holocene alluvium - Holocene sand, gravel and silt deposits, undifferentiated
  - Ql<sub>3</sub>** Late Pleistocene alluvium - Younger intermediate gravel and sand deposits associated with inactive alluvial fans and terraces
  - Ql<sub>2</sub>** Older late Pleistocene alluvium - Intermediate-age gravel, sand and silt deposits associated with extensive relict alluvial fans and terraces
  - Ql<sub>1</sub>** Middle Pleistocene alluvium - Oldest intermediate sand, gravel and silt alluvial fan deposits
  - Ql** Middle and late Pleistocene alluvium - Middle and late Pleistocene tributary deposits, undifferentiated
  - Qo** Early Pleistocene alluvium - Gravel, sand, and silt deposits associated with high relict alluvial fans
  - QTA** Middle Pliocene to early Pleistocene alluvium - Coarse gravel and sand deposits capping the highest ridges and fan remnants in the upper and middle piedmont, typically with strongly cemented calcic soils
  - Tll** Pliocene Lower Noglami tephra - Thin, discontinuous, white to gray tephra beds interbedded with distal fan deposits
  - Tlb** Latest Miocene and Pliocene fan deposits - Tributary-fan gravel and sand deposits exposed in the middle and lower portions of high, eroded ridges
  - Tlw** Latest Miocene Wolverine Creek tephra - White to buff-colored, very fine-grained airfall tuff bed interbedded with fan deposits in Secret Pass Canyon
- Colorado River Deposits**
- Qch** Late Pleistocene Chemehuevi deposits - Tan to light reddish-brown, clay, silt, sand and minor gravel deposits of the Colorado River
  - Tcb** Early Pliocene Bullhead alluvium - River sand, gravel and silt with a substantial component of tributary sand and gravel
  - Tbo** Latest Miocene-Early Pliocene Bouse Formation - Pale white to buff-colored marl, siltstone, clay, and sandstone
- Other Units**
- Qls** Landslide deposits - Large blocks of indurated fanglomerate that have slid downslope
  - Qtc** Hillslope colluvium and talus - Very poorly sorted, angular, weakly bedded, hillslope deposits associated with bedrock hills
  - d** Profoundly disturbed areas - Mines, tailings or ponds, and paved roads
- Bedrock Units**
- Trx** Phenocryst-rich rhyolite lava (Miocene) - Phenocryst-rich rhyolite lava containing ~25% phenocrysts of feldspar, quartz and biotite
  - Tb** Basalt lava (Miocene) - Basaltic and andesitic basalt lava
  - Tt** Nonwelded felsic tuff (Miocene) - Nonwelded, massive to thick-bedded felsic tuff.
  - Tr** Rhyolite lava (Miocene) - Phenocryst-poor rhyolite lava with feldspar, sparse quartz and biotite phenocrysts
  - Tps** Peach Spring Tuff (Miocene) - Moderately phenocryst-rich, 1-5mm 2 feldspar, 1-3mm biotite ash-flow tuff
  - Tmv** Mafic to intermediate lava complex (Miocene) - Thin, phenocryst-poor, generally fine-grained, dark gray matrix andesitic lavas
  - Td** Dacitic lava (Miocene) - Dark-colored, phenocryst-rich dacitic lava flows containing euhedral plagioclase, euhedral biotite and chloritic altered mafic phenocrysts
  - Tcc** Tuff of Cook Canyon (Miocene) - Tuff of Cook Canyon (Miocene)
  - Ydb** Diabase dikes (Proterozoic) - Dark gray to black, olive brown weathering dikes
  - YXg** Coarse-grained granite (Proterozoic) - Coarse-grained to megacrystic, potassium feldspar-porphyrphyritic and megacrystic granite

**Geologic Map of the Proposed State Route 95 Realignment Corridor, Mohave Valley, Arizona**

Sheet 5 of 5: Parts of the Davis Dam and Union Pass Quadrangles

Compilation and new mapping by Philip A. Pearthree, Charles A. Ferguson, Bradford J. Johnson and Jerome Guynn

Arizona Geological Survey Digital Geologic Map 65 (DGM 65)

1:24,000 scale

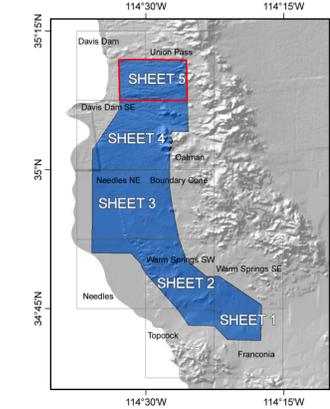
June 2009

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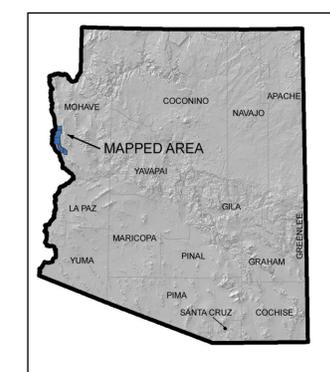
**MAP SYMBOL EXPLANATION**

Contacts	Faults	Structural Measurements
— accurate contact	— fault, accurate	bedding, inclined
- - - approximate contact	- - - fault, approximate	eutaxitic foliation, inclined
x prospect pit	..... fault, concealed	flow foliation, inclined
■ mine shaft	└ fault attitude	
└ mine adit	— highway alignments	— map sheet boundary

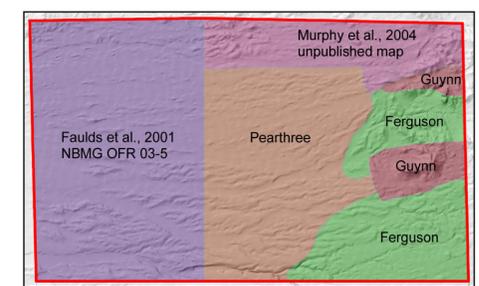
**EXTENT OF MAPPED AREA SHOWN IN BLUE**



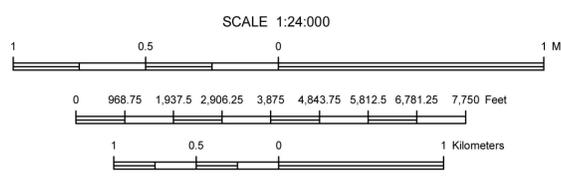
**ARIZONA COUNTIES**



**MAPPING SOURCES**



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Arizona Geological Survey  
416 W. Congress Street, Suite 100  
Tucson, AZ 85701  
(520) 770-3500  
www.azgs.az.gov

